

beta2 MICROGLOBULIN ADSORBENT

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Abstract of JP4126160

PURPOSE: To obtain the beta2 microglobulin adsorbent which has excellent selective adsorptivity and allows a safe sterilization operation by using a water-insoluble polymer of a neutral amino acid and/or an alkyl ester of acidic amino acid as its essential component.

CONSTITUTION: This beta2 microglobulin adsorbent consists essentially of the water-insoluble polymer of the neutral amino acid and/or the alkyl ester of acidic amino acid. Hydrophobic amino acids, such as leucine, valine and phenyl alanine, are suitable as the neutral amino acid. Methyl ester, ethyl ester and benzyl ester of glutamic acid, methyl ester, ethyl ester and benzyl ester of aspartic acid, etc., are excellent as the alkyl ester of the acidic amino acid. The homopolymer and copolymers thereof are usable and a copolymer formed by grafting these alkyl enters in an urethane prepolymer and epoxy resin for the purposes of improving moldability and blood adaptability is used as well.

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